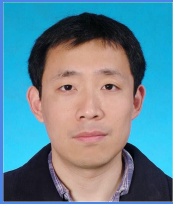


The 3rd International Workshop on Big Surveillance Data Analysis and Processing (BIG-Surv) in conjunction with ICME 2021

Shenzhen, China (5-9 July 2021)



Organizing Chairs



Wei Yao Lin
Shanghai Jiao Tong University, China



John See
Multimedia University, Malaysia



Xiatian Zhu
Samsung AI Centre, UK

Important Dates

Submission Deadline
13 Mar 2021

Notification of Acceptance
27 Mar 2021

Workshop Camera-Ready Deadline
6 Apr 2021

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With the rapid growth of video surveillance applications and services, the amount of surveillance videos has become extremely "big" which makes human monitoring tedious and difficult. Therefore, there exists a huge demand for smart surveillance techniques which can perform monitoring in an automatic or semi-automatic way. Firstly, with the huge amount of surveillance videos in storage, video analysis tasks such as event detection, action recognition, and video summarization are of increasing importance in applications including events-of-interest retrieval and abnormality detection. Secondly, semantic data has become an essential data type in surveillance systems owing much to the growth of its size and complexity, hence introducing new challenging topics, such as efficient semantic data processing and compression, to the community. Thirdly, with the rapid growth from static centric-based processing to dynamic computing among distributed video processing nodes/cameras, new challenges such as multi-camera analysis, person re-identification, or distributed video processing are now essential. To meet these challenges, there is great need to extend existing approaches or explore new feasible techniques.

This workshop is intended to provide a forum for researchers and engineers to present their latest innovations and share their experiences on all aspects of design and implementation of new surveillance video analysis and parsing techniques. Topics of interests include, but are not limited to:

- Event detection, action recognition, and activity analysis in **surveillance** videos
- Multi-camera analysis and recognition for **surveillance**
- Object detection and tracking in **surveillance** videos
- Recognition and parsing of crowded scenes for **surveillance**
- Person or group re-identification for **surveillance**
- Summarization and synopsis on **surveillance** videos
- **Surveillance** scene parsing, segmentation, and analysis
- Semantic data processing in large-scale **surveillance** systems
- Data compression in **surveillance** systems
- Robust face recognition and detection under low-resolution **surveillance** videos
- Restoration and enhancement of degradations in low-quality **surveillance** videos

Authors are invited to submit a full paper (two-column format, max. 6 pages incl. references) electronically according to the guidelines available in our workshop website and the conference website (<https://2021.ieeeicme.org/>).

Workshop Site: <https://bigsurv.github.io>

Paper Submission Site:

<https://cmt3.research.microsoft.com/ICMEW2021>